

**Amendments to the Specification**

On page 8, please amend the paragraph at lines 16-21 by replacing it with the following replacement paragraph:

Firstly, the piezoelectric sensor 10 shrinking step uses the phenomenon that the piezoelectric material is shrunk when the potential difference is applied to the piezoelectric material through the actuator 11. In case of the conventional piezoelectric material having a maximum strain rate of about 0.1%, a piezoelectric material of 100  $\mu$ m lengths has a strain displacement of 0.1nm.